

REPORT NO. 78-3-26

FOREST INSECT AND DISEASE MANAGEMENT UNIT
U.S. FOREST SERVICE
DORAVILLE, GEORGIA

LAND OWNERSHIP OR SURVEY AREA: TALLADEGA NATIONAL FOREST AND
PRIVATE LANDS WITHIN THE NATIONAL
FOREST BOUNDARY

STATE: ALABAMA

AREA WITHIN SURVEY BOUNDARY: 727,000 ACRES

DATE: JULY 19-20, 1978

PERCENT COVERAGE: 25%

AIRCRAFT: CESSNA 182

CREW: C.W. DULL, T. ROGERS

REPORT PREPARED BY: C.W. DULL

SURVEY OBJECTIVES: TO DETECT THE PRESENCE OF FOREST INSECT AND
DISEASE ACTIVITY WITHIN AND ADJACENT TO THE TALLADEGA NATIONAL
FOREST. SPECIAL EMPHASIS WAS PLACED UPON DELINEATING AREAS OF
RED AND FADING PINE TREES SUSPECTED TO CONTAIN POPULATIONS OF
SOUTHERN PINE BEETLE.

SURVEY RESULTS

A LARGE NUMBER OF SINGLE RED-TOPPED PINES AND MANY SMALL
AREAS OF DEAD AND DYING PINES WERE OBSERVED TO BE SCATTERED
THROUGHOUT THE SURVEY AREA.

AN ESTIMATED 15 TREES NEAR PAYNE LAKE ON THE OAKMULGEE
RANGER DISTRICT APPEARED TO BE DAMAGED BY HIGH WATER, BUT MAY
ALSO HARBOR BARK BEETLE POPULATIONS.

A TOTAL OF 348 RED AND FADING PINES WERE OBSERVED
AT 133 DIFFERENT LOCATIONS WITHIN THE SURVEY AREA.

REFER TO TABLE 1 AND THE ATTACHED MAPS FOR THE
ESTIMATED SIZE AND LOCATIONS OF RED AND FADING PINE TREES.

CONCLUSIONS

SOUTHERN PINE BEETLE ACTIVITY ON THE TALLADEGA
NATIONAL FOREST IS AT A LOW LEVEL AT THIS TIME. A LARGE
NUMBER OF FADING PINES SURROUNDING AREAS OF RED AND DEAD
PINES WERE NOT OBSERVED, INDICATING LITTLE SPOT GROWTH.

MANY OF THE RED PINES COULD BE THE RESULT OF LIGHTNING STRIKES OR IPS SPP. BARK BEETLES AND BLACK TURPENTINE BEETLES.

FIELD SURVEILLANCE BY NATIONAL FOREST PERSONNEL SHOULD CONTINUE, ESPECIALLY ON THE OAKMULGEE RANGER DISTRICT IN AREAS WHERE MULTIPLE TREE SPOTS WERE OBSERVED.

FOR ANY ADDITIONAL INFORMATION, CONTACT:

FOREST INSECT AND DISEASE MANAGEMENT UNIT
USFS - SOUTHEASTERN AREA

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TELEPHONE: 404-221-4796

OR 2500 SHREVEPORT HIGHWAY
PINEVILLE, LA 71360
TELEPHONE: 318-445-6511

Table 1. Summary of Aerial Survey Data, Talladega National Forest. Surveyed 7/19-20/78.

<u>Suspected Infestation Size (#trees)</u>				
<u>Ranger Districts</u>	<u>Singles</u>	<u>2-5 Spots:Trees</u>	<u>7-20 Spots:Trees</u>	<u>Total Spots:Trees</u>
Talladega and Shoal Creek	31	17:43	1:10	49:84
Oakmulgee	<u>44</u>	<u>26:74</u>	<u>14:146</u>	<u>84:264</u>
Total	75	43:117	15:156	133:348
Average spot size = 2.6 trees				

KEY MAP

WILLIAM B. BANKHEAD N.F.

BIRMINGHAM

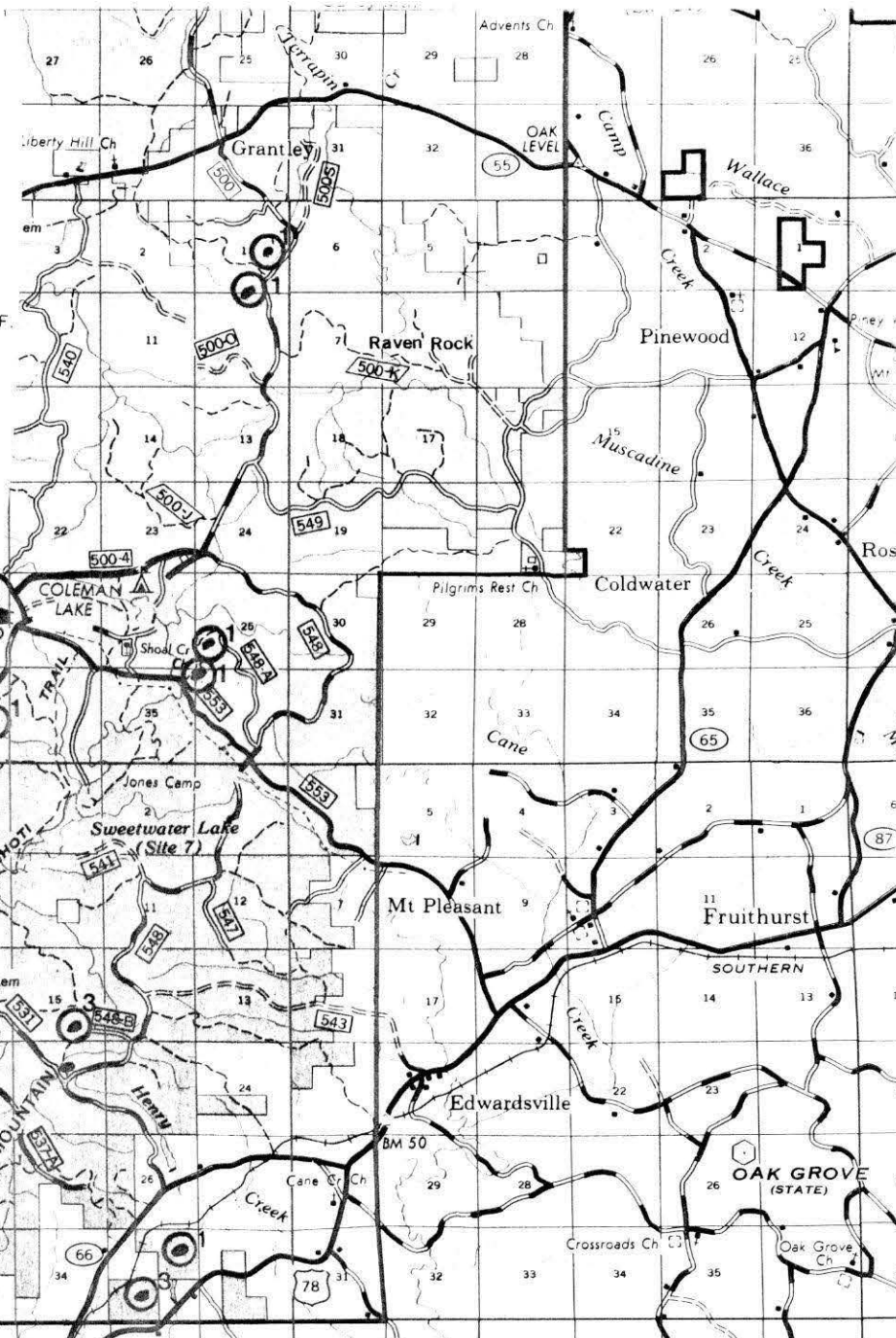
ALABAMA

TUSKEGEE N.F.

CONECUH N.F.

MOBILE

HUNTSVILLE



TALLADEGA NATIONAL FOREST

TALLADEGA AND SHOAL CREEK RANGER DISTRICTS

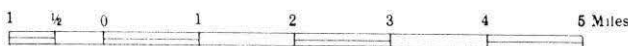
ALABAMA

HUNTSVILLE AND ST. STEPHENS

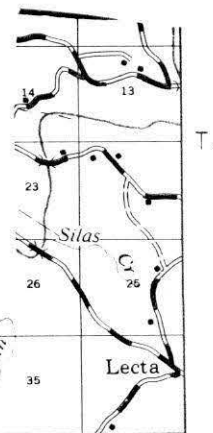
MERIDIAN

1968

Scale 1/2" = 1 Mile



RED AND FADING PINE TREES WITH
APPROXIMATE NUMBER PER SPOT



TALLADEGA NATIONAL FOREST

TALLADEGA AND SHOAL CREEK RANGER DISTRICTS

ALABAMA

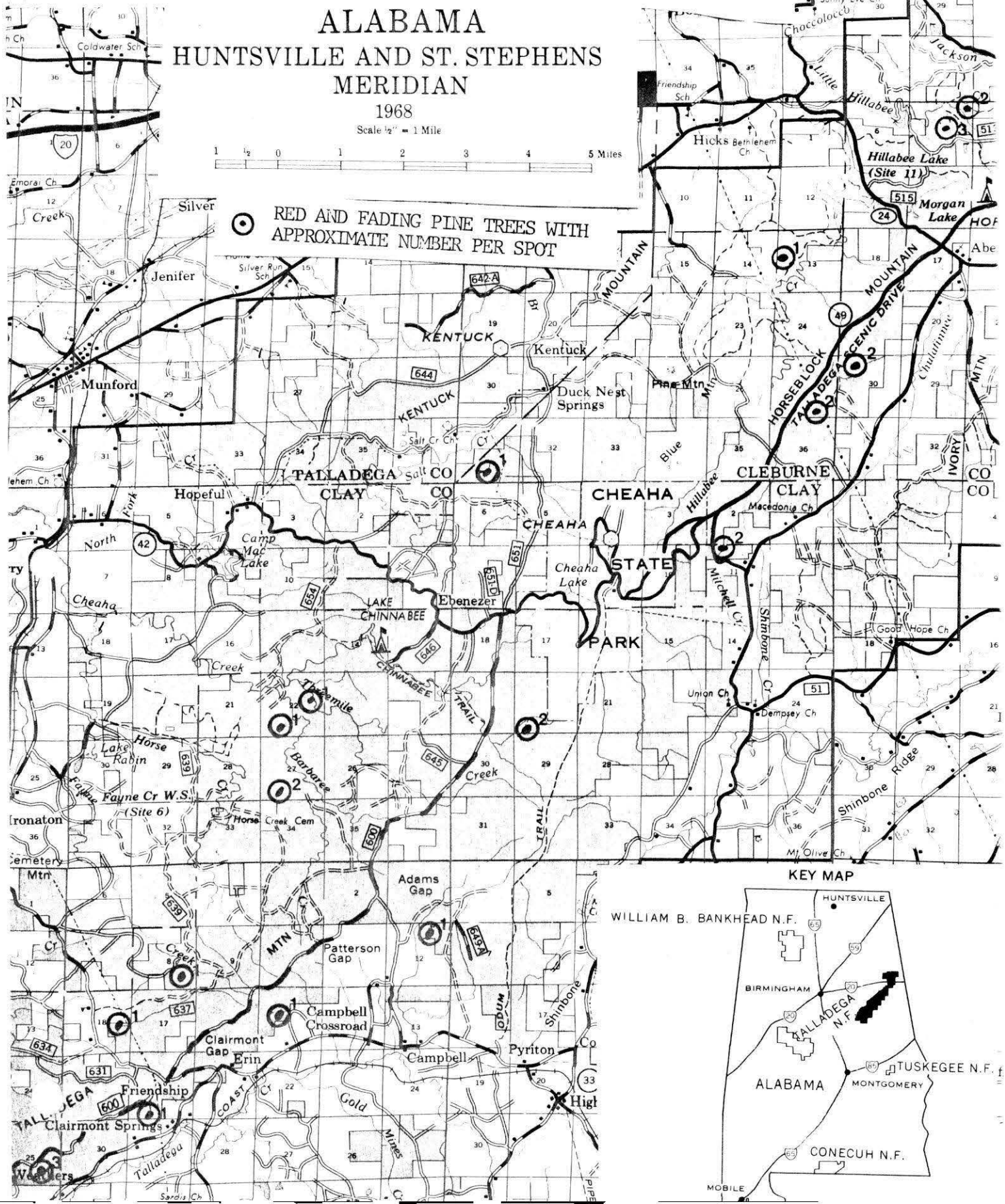
HUNTSVILLE AND ST. STEPHENS
MERIDIAN

1968

Scale 1/2" = 1 Mile

1 1/2 0 1 2 3 4 5 Miles

RED AND FADING PINE TREES WITH
APPROXIMATE NUMBER PER SPOT



KEY MAP



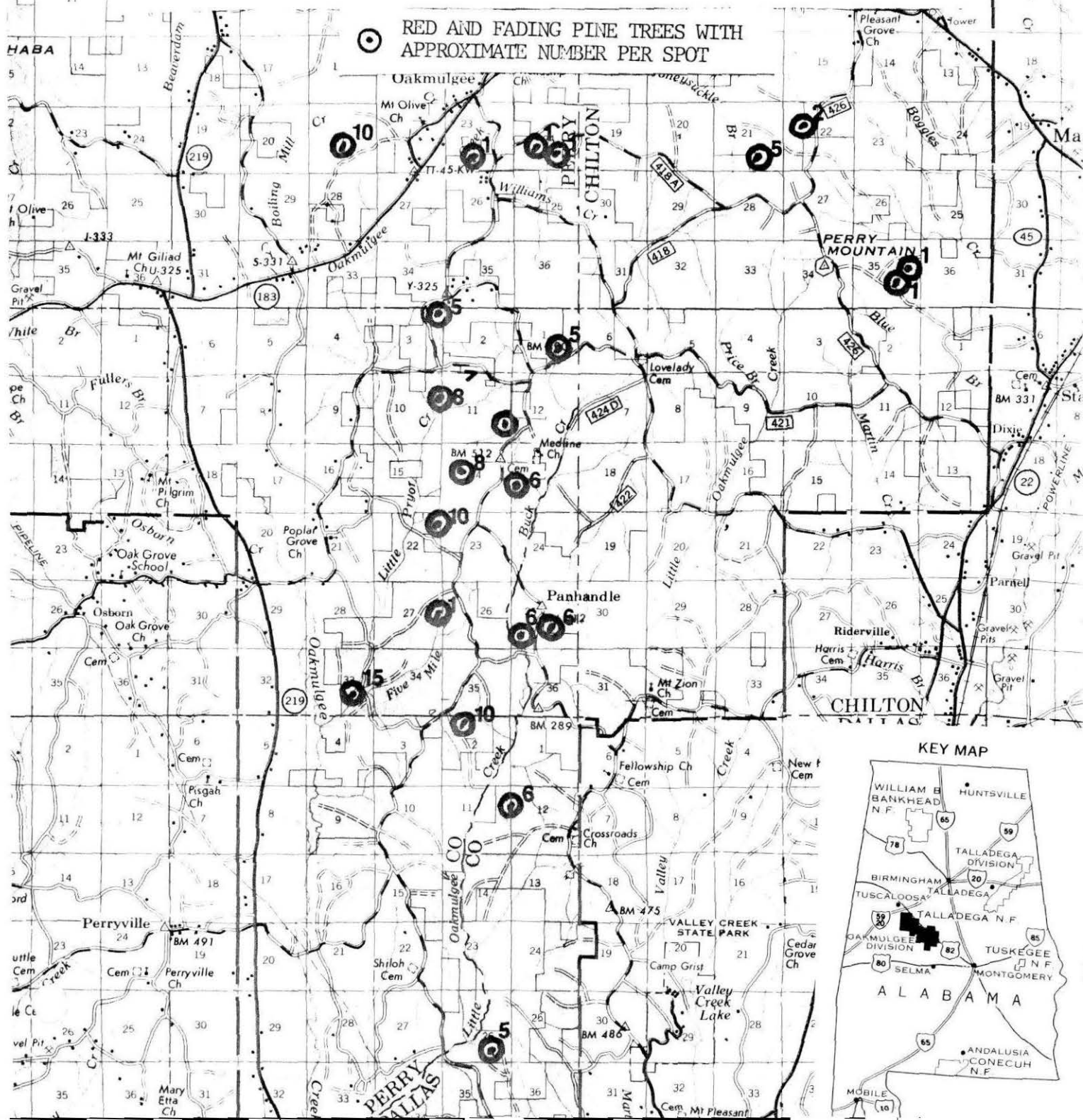
Scale $\frac{1}{2}$ " = 1 Mile



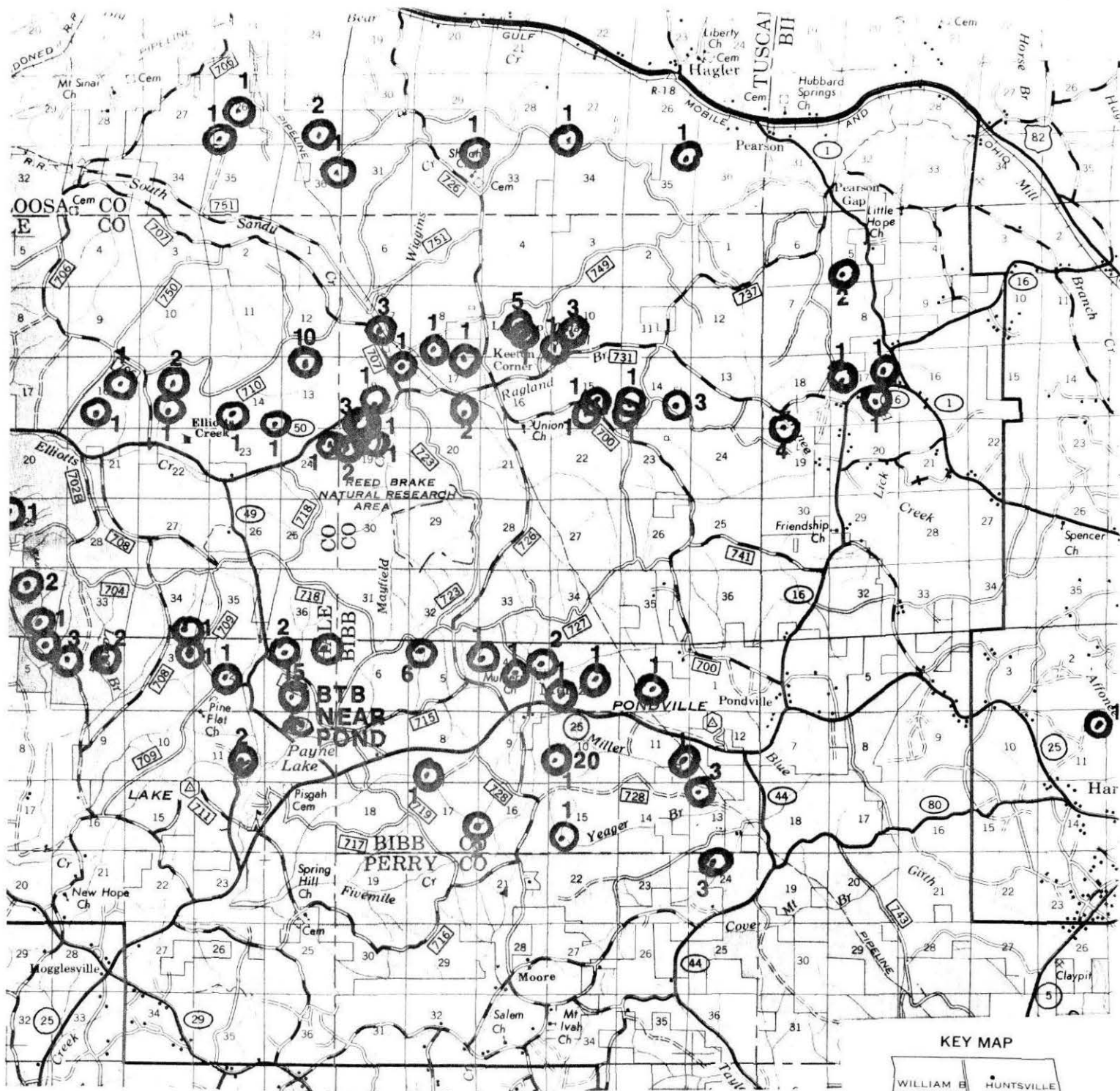
1965

Scale $\frac{1}{2}'' = 1$ Mile

RED AND FADING PINE TREES WITH
APPROXIMATE NUMBER PER SPOT



KEY MAP



TALLADEGA NATIONAL FOREST

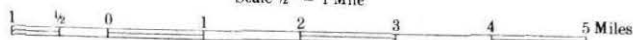
(OAK MULGEE DIVISION)

ALABAMA

ST. STEPHENS MERIDIAN

1965

Scale 1/4" = 1 Mile



HAL
PERRY

Red
Cl

RED AND FADING PINE TREES WITH
APPROXIMATE NUMBER PER SPOT

25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100

KEY MAP

